## Scharf, Steven (DEC)

From: Brian Caldwell <bcaldwell@Ensafe.com>
Sent: Thursday, April 14, 2016 10:43 AM

**To:** Wilkie, Henry (DEC); Scharf, Steven (DEC); Karpinski, Steven (HEALTH); DeFranco, Joseph (NASSAU)

Cc: Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; Allan Jenkins; mboufis@bethpagewater.com; pschimmel@bethpagewater.com

**Subject:** BWD Pilot Test Week #3 lab results

Attachments: pl 6 voc 4 08 16.pdf; samples 1 4 dioxane 4 08 16.pdf

## ATTENTION. This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

All:

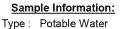
Please find attached the results for week 3 of the BWD Pilot Test. BWD 6-2 was the only well pumping during week 3.

#### Regards,

Brian

Brian Caldwell, PG CPG EnSafe/Resolution Consultants Senior Hydrogeologist 308 North Peters Road, Suite 200 Knoxville TN 37922 Office: (865) 693-3623 Cell: (865) 803-6295







LABORATORY RESULTS

Origin: Raw Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Lab No. : 1604814-001 Client Sample ID.: N-03876 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-03876 Received: 04/08/2016 11:00 AM Location: Well 6-1

Collected By: PS99

Parameter(s)   Results   Qualifier   D.F.   Units   Limit   Analyzed:   Container:	Analytical Method: E524.2 : PO	OC					Analyst: KG
1,1,1-Trichloroethane         < 0.50	<del></del>		<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	
1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,1,2-Trichloroethane         < 0.50	1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,1-Dichloroethane         < 0.50	1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,1-Dichloroethene         < 0.50         1         μg/L         5         04/11/2016 10:25 AM         Container-02 of 02           1,1-Dichloropropene         < 0.50	1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,1-Dichloropropene       < 0.50	1,1-Dichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2,3-Trichlorobenzene       < 0.50	1,1-Dichloroethene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2,3-Trichloropropane	1,1-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2,4-Trichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2,4-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichloroethane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,4-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Con	1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2,4-Trimethylbenzene       < 0.50	1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichloroethane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02	1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2-Dichloroethane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02	1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,2-Dichloropropane       < 0.50	1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,3,5-Trimethylbenzene       < 0.50	1,2-Dichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 02 05 05 05 05 05 05 05 05 05 05 05 05 05	1,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,3-Dichloropropane       < 0.50	1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
1,4-Dichlorobenzene       < 0.50	1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
2,2-Dichloropropane       < 0.50	1,3-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
2/4-Chlorotoluene       < 0.50	1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02	2,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Benzene       < 0.50       1       μg/L       5       04/11/2016 10:25 AM       Container-02 of 02         Bromobenzene       < 0.50	2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02	4-Isopropyltoluene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
	Benzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Bromochloromethane < 0.50 1 μg/L 5 04/11/2016 10:25 AM Container-02 of 02	Bromobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
	Bromochloromethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

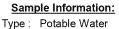
Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 11



Pace Analytica 575 Broad Hollow Road, Melville, NY 11747 FAX: (631) 420-8436 TEL: (631) 694-3040

LABORATORY RESULTS

Origin: Raw Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

NYSDOH ID#10478

Lab No. : 1604814-001 Client Sample ID.: N-03876

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-03876 Received: 04/08/2016 11:00 AM Location: Well 6-1

www.pacelabs.com

Collected By: PS99

Analytical Method: E524.2 : PC	oc .					Analyst: KG
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/11/2016 10:25 AM	Container-02 of 02
Bromoform	< 0.50	1	μg/L		04/11/2016 10:25 AM	Container-02 of 02
Bromomethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Carbon tetrachloride	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Chloroethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Chloroform	< 0.50	1	μg/L		04/11/2016 10:25 AM	Container-02 of 02
Chloromethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/11/2016 10:25 AM	Container-02 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/11/2016 10:25 AM	Container-02 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
o-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02
Styrene	< 0.50	1	μg/L	5	04/11/2016 10:25 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

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M-, M+ = Matrix Spike recovery below / above control limit

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P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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#### LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Client Sample ID.: N-03876 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-03876 Received: 04/08/2016 11:00 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : Po	C								Analyst: KG
Parameter(s)		Results 6	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene		< 0.50		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Tetrachloroethene		3.37		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Toluene		< 0.50		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Total Trihalomethanes		< 2.00		1	μg/L		80	04/11/2016 10:25 AM	Container-02 of 02
trans-1,2-Dichloroethene		< 0.50		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
trans-1,3-Dichloropropene		< 0.50		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Trichloroethene	*	29.0	*	1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Trichlorofluoromethane		< 0.50		1	μg/L		5	04/11/2016 10:25 AM	Container-02 of 02
Vinyl chloride		< 0.50		1	μg/L		2	04/11/2016 10:25 AM	Container-02 of 02
Surr: 1,2-Dichlorobenzene-d4		96.8		1	%Rec	Limit	70-130	04/11/2016 10:25 AM	Container-02 of 02
Surr: 4-Bromofluorobenzene		91.4		1	%Rec	Limit	70-130	04/11/2016 10:25 AM	Container-02 of 02

Lab No. : 1604814-001

Qualifiers: E = Value above quantitation range, Value estimated.

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J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell

Sr.Project Manager: Stu Murrell

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## LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

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Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604814-002 Client Sample ID.: N-08941

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-08941 Received: 04/08/2016 11:00 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : POC						Analyst: KG
Parameter(s)	Results Qualifier	D.F.	Units	<u>Limit</u>	Analyzed:	Container:
1.1.1.2-Tetrachloroethane	< 0.50	1	<u></u> µg/L	 5	04/11/2016 10:50 AM	Container-02 of 02
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,1,2-Trichloroethane	0.59	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,1-Dichloroethane	1.33	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
4-Isopropyltoluene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Benzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Bromobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Bromochloromethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

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Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell

Sr.Project Manager: Stu Murrell

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Page 4 of 11



Pace Analytica 575 Broad Hollow Road, Melville, NY 11747 FAX: (631) 420-8436 TEL: (631) 694-3040

NYSDOH ID#10478

#### LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District Lab No. : 1604814-002 25 Adams Ave.

Client Sample ID.: N-08941 Bethpage, NY 11714

www.pacelabs.com

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-08941 Received: 04/08/2016 11:00 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : P	oc					Analyst: KG
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/11/2016 10:50 AM	Container-02 of 02
Bromoform	< 0.50	1	μg/L		04/11/2016 10:50 AM	Container-02 of 02
Bromomethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Carbon tetrachloride	1.31	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Chloroethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Chloroform	1.06	1	μg/L		04/11/2016 10:50 AM	Container-02 of 02
Chloromethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
cis-1,2-Dichloroethene	2.29	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/11/2016 10:50 AM	Container-02 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/11/2016 10:50 AM	Container-02 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
o-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02
Styrene	< 0.50	1	μg/L	5	04/11/2016 10:50 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s). Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

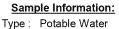
Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Road, Melville, NY 11747

FAX: (631) 420-8436 TEL: (631) 694-3040 NYSDOH ID#10478 www.pacelabs.com

## LABORATORY RESULTS

Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-08941 Received: 04/08/2016 11:00 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : Po	C								Analyst: KG
Parameter(s)		<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene		< 0.50		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
Tetrachloroethene		1.83		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
Toluene		< 0.50		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
Total Trihalomethanes		< 2.00		1	μg/L		80	04/11/2016 10:50 AM	Container-02 of 02
trans-1,2-Dichloroethene		< 0.50		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
trans-1,3-Dichloropropene		< 0.50		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
Trichloroethene	*	1,280	D*	50	μg/L		5	04/11/2016 11:40 AM	Container-02 of 02
Trichlorofluoromethane		< 0.50		1	μg/L		5	04/11/2016 10:50 AM	Container-02 of 02
Vinyl chloride		< 0.50		1	μg/L		2	04/11/2016 10:50 AM	Container-02 of 02
Surr: 1,2-Dichlorobenzene-d4		94.8		1	%Rec	Limit	70-130	04/11/2016 10:50 AM	Container-02 of 02
Surr: 4-Bromofluorobenzene		91.0		1	%Rec	Limit	70-130	04/11/2016 10:50 AM	Container-02 of 02

Lab No. : 1604814-002

Client Sample ID.: N-08941

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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#### LABORATORY RESULTS

Sample Information: Type: Potable Water Origin: Treated Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Treatment** 

Bethpage Water District

25 Adams Ave.

Lab No. : 1604814-003 Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No ASGAC-6-16-2 Received: 04/08/2016 11:00 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Parameter(s)   Results   Qualifier   D.F.   Units   Limit   Analyzed:   Container:	Analytical Method: E524.2 : P0	 OC					Analyst: KG
1,1,1-Trichloroethane         < 0.50	Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	
1,1,2,2-Tetrachloroethane	1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,1,2-Trichloroethane         < 0.50	1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,1-Dichloroethane	1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,1-Dichloroethene         < 0.50	1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,1-Dichloropropene       < 0.50	1,1-Dichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2,3-Trichlorobenzene       < 0.50	1,1-Dichloroethene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2,3-Trichloropropane	1,1-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2,4-Trichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2,4-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene	1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2,4-Trimethylbenzene       < 0.50	1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichloropethane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Container	1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2-Dichloroethane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Hg/L 5 04/11/2016 10:00 AM Container-02 of 02 Container-0	1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,2-Dichloropropane       < 0.50	1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,3,5-Trimethylbenzene       < 0.50	1,2-Dichloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,3-Dichlorobenzene       < 0.50	1,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,3-Dichloropropane       < 0.50	1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
1,4-Dichlorobenzene       < 0.50	1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
2,2-Dichloropropane       < 0.50	1,3-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
2/4-Chlorotoluene       < 0.50	1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
4-Isopropyltoluene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Benzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02 Bromobenzene < 0.50 1 μg/L 5 04/11/2016 10:00 AM Container-02 of 02	2,2-Dichloropropane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Benzene       < 0.50       1       μg/L       5       04/11/2016 10:00 AM       Container-02 of 02         Bromobenzene       < 0.50	2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Benzene       < 0.50       1       μg/L       5       04/11/2016 10:00 AM       Container-02 of 02         Bromobenzene       < 0.50	4-Isopropyltoluene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
13	Benzene	< 0.50	1		5	04/11/2016 10:00 AM	Container-02 of 02
···	Bromobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
	Bromochloromethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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## LABORATORY RESULTS

Sample Information: Type: Potable Water

Origin: Treated Well

Routine

Results are only for the samples and analytes requested. The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Treatment** 

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604814-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis

Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No ASGAC-6-16-2 Received: 04/08/2016 11:00 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2:						Analyst: KG
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Analyzed:</u>	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/11/2016 10:00 AM	Container-02 of 02
Bromoform	< 0.50	1	μg/L		04/11/2016 10:00 AM	Container-02 of 02
Bromomethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Carbon tetrachloride	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Chloroethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Chloroform	< 0.50	1	μg/L		04/11/2016 10:00 AM	Container-02 of 02
Chloromethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/11/2016 10:00 AM	Container-02 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/11/2016 10:00 AM	Container-02 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
o-Xylene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02
Styrene	< 0.50	1	μg/L	5	04/11/2016 10:00 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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#### LABORATORY RESULTS

Sample Information: Type: Potable Water Origin: Treated Well

Routine

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Treatment** 

Bethpage Water District

25 Adams Ave.

Lab No. : 1604814-003 Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No ASGAC-6-16-2 Received: 04/08/2016 11:00 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Matheda - E504.0 - E00	^						A
Analytical Method: E524.2 : PO	C						Analyst: KG
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Tetrachloroethene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Toluene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Total Trihalomethanes	< 2.00	1	μg/L		80	04/11/2016 10:00 AM	Container-02 of 02
trans-1,2-Dichloroethene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
trans-1,3-Dichloropropene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Trichloroethene	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Trichlorofluoromethane	< 0.50	1	μg/L		5	04/11/2016 10:00 AM	Container-02 of 02
Vinyl chloride	< 0.50	1	μg/L		2	04/11/2016 10:00 AM	Container-02 of 02
Surr: 1,2-Dichlorobenzene-d4	92.6	1	%Rec	Limit	70-130	04/11/2016 10:00 AM	Container-02 of 02
Surr: 4-Bromofluorobenzene	85.2	1	%Rec	Limit	70-130	04/11/2016 10:00 AM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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## PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

**Sample Receipt Checklist** 

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

Client Name BWD		0000000000000	Date and T	ime Received:	4/8/2016 11:00:00 AM
Work Order Number: 1604814 RcptNo:	1		Received b	y <b>Matthew Gr</b>	asso
Completed by: John Statt		Rev	iewed by:	tu 2	Turell
Completed Date: <u>4/8/2016 4:00:36 PM</u>		Rev	iewed Date:	4/9/2016	6 2:49:16 PM
Carrier name: <u>Client</u>					
Chain of custody present?	Yes	V	No 🗌		
Chain of custody signed when relinquished and received	? Yes	<b>V</b>	No 🗌		
Chain of custody agrees with sample labels?	Yes	<b>~</b>	No 🗌		
Are matrices correctly identified on Chain of custody?	Yes	V	No 🗌		
Is it clear what analyses were requested?	Yes	V	No 🗌		
Custody seals intact on sample bottles?	Yes		No 🗌	Not Present	✓
Samples in proper container/bottle?	Yes	V	No 🗆		
Were correct preservatives used and noted?	Yes	<b>✓</b>	No 🗆	NA	
Preservative added to bottles:					
Sample Condition?	Intact	<b>V</b>	Broken	Leaking	
Sufficient sample volume for indicated test?	Yes	V	No 🗌	Loaking	Lanced
Were container labels complete (ID, Pres, Date)?	Yes	<b>~</b>	No 🗌		
All samples received within holding time?	Yes	<b>V</b>	No 🗌		
Was an attempt made to cool the samples?	Yes	<b>✓</b>	No 🗌	NA	
All samples received at a temp. of > 0° C to 6.0° C?	Yes		No 🗆	NA	<u></u>
Response when temperature is outside of range:	103		110	1473	
Sample Temp. taken and recorded upon receipt?	Yes	V	No 🗌	To 14.	7 °
Water - Were bubbles absent in VOC vials?	Yes	<b>√</b>	No 🗆	No Vials	
Water - Was there Chlorine Present?	Yes	Ä	No 🗆	NA NA	<b>V</b>
	Yes	~	No 🗆	No Water	
Water - pH acceptable upon receipt?		<b>✓</b>		NO Water	
Are Samples considered acceptable?	Yes	•	No 🗀		
Custody Seals present?	Yes		No 🗹		
Airbill or Sticker?	Air Bil		Sticker	Not Present	
Airbill No:					
Case Number: SDG:		:	SAS:		
Any No response should be detailed in the comments se	ection below, if app	licable	e. 		
Olient Contested 2 V NI- MI	Danier O. 1				
Client Contacted? ☐ Yes ☐ No ☑ NA	Person Cont	acted	·		
Contact Mode: Phone: Fax:	Email:		In Person:		
Client Instructions:					
Date Contacted: C	ontacted By:				
Regarding:					
Comments:					
CorrectiveAction:					



 $\frac{\text{WorkOrder:}}{1604814}$ 

# **Certifications**

S TATE	CERTIFICATION#
NEW YORK	10478
NEWJERSEY	NY1 58
CONNECTICUT	PH-0435
MARYLAND	208
MAS S ACHUS ETTS	MNY026
NEW HAMPS HIRE	2987
RHODE IS LAND	LAO00340
PENNS YLVANIA	68-00350

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Pace Analytical 575 Broad Hollow Road, Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

#### LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Special

Results are only for the samples and analytes requested. The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Client Sample ID.: N-03876 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-03876 Received: 04/08/2016 11:00 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E522 :		Prep	Method: E52	2	Prep Date:	4/11/2016 6:48:33 AM	<u>Analyst:</u> SH
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane	9.6	D	+ 5	μg/L		04/12/2016 2:42 AM	Container-01 of 02
Surr: 1.4-Dioxane-D8	88.0		1	%Rec	Limit 70-130	04/12/2016 12:13 AM	Container-01 of 02

Lab No. : 1604813-001

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

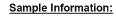
Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 5



Pace Analytical 575 Broad Hollow Road, Melville, NY 11747

TEL: (631) 694-3040 FAX: (631) 420-8436 NYSDOH ID#10478 www.pacelabs.com

#### LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Special

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604813-002 Client Sample ID.: N-08941

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No N-08941 Received: 04/08/2016 11:00 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E522:		Prep Method: E522				Prep Date: 4/11/2016 6:48:33 AM		
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	7.3	D	+ 5	μg/L		04/12/2016 3:07 AM	Container-01 of 02	
Surr: 1.4-Dioxane-D8	90.6		1	%Rec	Limit 70-130	04/12/2016 12:37 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \*\* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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FAX: (631) 420-8436 www.pacelabs.com

#### LABORATORY RESULTS

Sample Information: Type: Potable Water

Origin: Treated Well

Results are only for the samples and analytes requested. Special

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

**Treatment** 

Bethpage Water District

NYSDOH ID#10478

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604813-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis

Federal ID: 2902817

Collected: 04/08/2016 9:45 AM Point No ASGAC-6-16-2 Received: 04/08/2016 11:00 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E522 :		Prep Method: E522			Prep Date:	Prep Date: 4/11/2016 6:48:33 AM		
Parameter(s)	Results	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	7.4	D	+ 5	μg/L		04/12/2016 3:32 AM	Container-01 of 02	
Surr: 1,4-Dioxane-D8	92.5		1	%Rec	Limit 70-130	04/12/2016 1:02 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/12/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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### PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

**Sample Receipt Checklist** 

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

Client Name BWD		000000000000000000000000000000000000000			Date and T	Γime Received:	4/8/2016 11:00:00 AM
Work Order Number:	1604813	RcptNo: 1			Received b	oy <b>Matthew Gr</b>	asso
Completed by:	Joh S	late_		Revi	ewed by:	tu 7	Turell
Completed Date: 4/8/2016 3:57:11 PM			Reviewed Date:			4/9/201	6 2:48:31 PM
Carrier name: Client							
Chain of custody preser	nt?		Yes	<b>V</b>	No 🗌		
Chain of custody signed when relinquished and received?			Yes	<b>V</b>	No 🗌		
Chain of custody agrees with sample labels?			Yes	<b>~</b>	No 🗌		
Are matrices correctly identified on Chain of custody?			Yes	<b>V</b>	No 🗌		
Is it clear what analyses	were requested?		Yes	V	No 🗌		
Custody seals intact on	sample bottles?		Yes		No 🗌	Not Present	✓
Samples in proper conta	ainer/bottle?		Yes	<b>✓</b>	No 🗌		
Were correct preservati			Yes	<b>√</b>	No 🗆	NA	
Preservative added to b							
Sample Condition?			Intact	✓	Broken	Leaking	
Sufficient sample volum	ne for indicated test?		Yes	V	No 🗌	ŭ	
Were container labels of		ate)?	Yes	<b>~</b>	No 🗌		
All samples received wi	thin holding time?		Yes	✓	No 🗌		
Was an attempt made t	to cool the samples?		Yes	<b>~</b>	No 🗌	NA	
All samples received at	•	6.0° C?	Yes		No 🗌	NA	<b>✓</b>
Response when temper	•						
Sample Temp. taken ar			Yes 🗹 No 🗌		To 14	To 14.7 °	
Water - Were bubbles a		·	Yes		No 🗆	No Vials	<b>✓</b>
Water - Was there Chlo			Yes		No 🗌	NA	✓
Water - pH acceptable			Yes	✓	No 🗆	No Water	
Are Samples considered			Yes	<b>√</b>	No 🗌		
Custody Seals present?	•		Yes		No 🗸		
Airbill or Sticker?	•		Air Bil	$\overline{\Box}$	Sticker	Not Present	<b>~</b>
Airbill No:			7 W BII			Not i recent	
Case Number:	SDG	:		5	SAS:		
Any No response shoul	ld be detailed in the c	omments section	below, if appl	icable	<u> </u>		
Client Contacted?	☐ Yes ☐ No	_ MA	Person Cont	acted:			
Contact Mode:	Phone:	Fax:	Email:		In Person:		
Client Instructions:							
Date Contacted: Contact			cted By:				
Regarding:							
Comments:							
CorrectiveAction:							
CONCOUVERAGION.							



 $\frac{\text{WorkOrder:}}{1604813}$ 

# **Certifications**

STATE	CERTIFICATION#
NEW YORK	10478
NEWJERSEY	NY1 58
CONNECTICUT	PH-0435
MARYLAND	208
MAS S ACHUS ETTS	MNY026
NEW HAMPS HIRE	2987
RHODE IS LAND	LAO00340
PENNS YLVANIA	68-00350

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